



**DEPARTMENT OF THE AIR FORCE  
12TH COMBAT TRAINING SQUADRON (ACC)  
FT IRWIN, CALIFORNIA**

20 March 2019

**MEMORANDUM FOR ARMY WEATHER SUPPORT TEAMS DEPLOYING TO THE  
NATIONAL TRAINING CENTER**

**FROM:** 12TH COMBAT TRAINING SQUADRON / DOC  
Bldg. 661, 7th and Barstow Rd  
Fort Irwin, CA 92310

**SUBJECT:** Letter of Instruction (LOI) for Army Weather Support Teams (AWSTs) Deploying  
to the National Training Center (NTC)

**References:** (a) Joint Publication 3-59, *Meteorological and Oceanographic Operations*  
(b) Joint Meteorological & Oceanographic (METOC) Handbook  
(c) Air Force Doctrine Document 3-59, *Weather Operations*  
(d) Air Force Instruction 15-128, *Air Force Weather Roles and Responsibilities, ACC SUP*  
(e) Air Force Manual 15-129, *Air and Space Weather Operations – V1, V2, ACC SUP*  
(g) Air Force Instruction 15-157 (AR 115-10), *Weather Support and Services for the U.S. Army*  
(h) Army Regulation (AR) 5-25, *Army Weather Functional Activities*  
(i) FORSCOM Regulation 350-50-1, *Training at the National Training Center*  
(j) NTC Regulation 350-1, *Training at the National Training Center*  
(k) NTC Exercise Operating Procedures (EXOP)

1. Purpose. Identify Meteorological and Oceanographic (METOC) rotational training unit (RTU) forces supporting NTC deployment scenarios and establish roles, responsibilities, and services provided in accordance with (IAW) referenced guidance on weather operations to enable participating United States Armed Forces and Coalition Nation forces to conduct realistic training in a complex contested environment at the operational and tactical levels of war.

2. Background. The mission of the NTC is to provide tough, realistic joint and combined arms training focused at the brigade and battalion level, to assist commanders in developing trained, competent leaders and soldiers while identifying unit training deficiencies, providing feedback to improve the force and prepare for success on the future joint battlefield. The NTC provides an extensive training system composed of well-trained Opposing Forces (OPFOR), skilled Observer, Coach-Trainers (OC/Ts), large land areas, unrestricted ranges, a fully instrumented battlefield, and extensive logistics missions. The training provided at NTC provides a unique opportunity for combined-arms task forces to reinforce their mission essential task list (METL) training conducted at home station.

3. Personnel Requirements. All members of the rotational Army Weather Support Team

(AWST) are expected to be able to perform their duties in an austere field environment through the completion of the deployment scenario. It is highly recommended that all members achieve full CMR, Airfield Certification is mandatory. If a team member arrives without current airfield certification, that member cannot work independent and will require augmentation until certification is achieved. If MTOE HMMWV is being drawn proper licensing and night time driving endorsements for tactical vehicles must be provided. Units jump several times during a rotation, most of the time at night, so personnel must be able to drive with NVGs during these movements. All medical and personnel issues that may affect an Airman's performance while at NTC will be communicated to the 12 CTS personnel ASAP. As NTC Safety Observers, 12 CTS personnel must have notification of personnel issues prior to AWSTs deploying to/arriving at NTC. Army Weather Support (AWS) unit leadership must consider the following prior to selecting Airmen as NTC rotational players:

a. Medical. IAW FORSCOM Regulation 350-50-1, all physical profiles will be reviewed by PCM and unit leadership to determine the deployment readiness of NTC participants. Pregnant Airmen will not deploy to the NTC. During the deployment scenario, the rotational Army unit will provide the weather teams with medical support and treatment to injuries and illnesses that occur during the NTC rotation. Rotational medical staff will determine if Airmen will be able to be treated and returned to NTC training and if not, the rotational Army unit will coordinate evacuation to home station for any Airmen who cannot return to training.

b. Personnel. Personnel issues, such as high-risk for Red Cross messages, must be considered during the AWST selection process and, if necessary, the AWS unit will be prepared to replace or supplement the rotational AWSTs should a Red Cross message occur.

c. Special Needs. The AWSTs will contact the supported Army unit in order to accommodate any special needs for rotational Airmen (i.e., dietary concerns due to medical or religious restrictions). 12th CTS personnel will not service Airmen's special needs outside of emergency situations, as this should be coordinated with the supported Army unit prior to the NTC rotational deployment scenario.

#### 4. Responsibilities of Rotational AWSTs

a. Coordinate weather and logistical support with rotational Army customer(s) prior to deploying to and redeploying from NTC (i.e., personnel, communications, transportation, etc.) and annotate support in a Memorandum of Agreement (MOA) or Army unit Operations Order/Fragmentary Order (OPORD/FRAGO) Annex. This should be accomplished NLT 30 days prior. Send the MOA or OPORD/FRAGO Annex to the 12th CTS weather org box ([usarmy.irwin.12-cts.mbx.irwin-weather@mail.mil](mailto:usarmy.irwin.12-cts.mbx.irwin-weather@mail.mil)).

b. Coordinate travel orders for NTC through Army chains, acquiring Army group orders or an Army fund site for Defense Travel System (DTS) orders.

c. Inform 12 CTS/DOC of RTU travel itinerary ASAP, preferably 30 days prior to arrival at NTC.

d. Request and acquire temporary KQ Identifiers for each team with 557th Weather Wing (557 WW) no later than (NLT) 30 days prior to arrival at NTC.

e. Complete and return the NTC Pre-deployment Survey found on the NTC weather homepage (<http://www.irwin.army.mil/Pages/Rotation%20Tab/Weather.html>) NLT 30 days prior to arrival at NTC (see Attachment 2).

f. Secure a Defense Collaboration Services (DCS) account and Air Force Weather Web Services (AFW-WEBS) username/password NLT 30 days prior to arrival at NTC. Email the 12<sup>th</sup> CTS Weather Org Box ([usarmy.irwin.12-cts.mbx.irwin-weather@mail.mil](mailto:usarmy.irwin.12-cts.mbx.irwin-weather@mail.mil)) and provide the emails of everyone on the team for access to the DCS chatroom.

g. Provide pertinent RTU personnel, equipment, and Unit Commander's Unit Assessment and training focus (see Attachment 2) and the NTC Roll-Out Card (see Attachment 3) found on the NTC Weather Homepage NLT 14 days prior to arrival at NTC (<http://www.irwin.army.mil/Pages/Rotation%20Tab/Weather.html>).

h. Coordinate all rotational flight weather briefing requests with their supported Army units. This includes any flight weather briefings needed for arrival at NTC from home station, prior to and during Reception, Staging, Onward-Movement, and Integration (RSOI) Week, and departure from NTC back to home station after the rotation has ended. IAW FORSCOM Regulation 350-50-1, the 12<sup>th</sup> CTS Weather Flight will NOT provide flight weather briefings to rotational Army units. Exceptions can be approved by the Flight Chief or Flight Commander on a case-by-case basis only. It is recommended that AWSTs send at least one SWO on ADVON to NTC for any needed briefing support before the main body arrives. Additionally, AWSTs are required to complete a 25th Operational Weather Squadron (OWS) Support Assistance Request (SAR) for any unique briefings or tailored products (as applicable).

i. Perform operations checks and physically inventory all weather communications equipment prior to deploying. Ensure team members have updated access to secure communications (SIPR tokens) as needed. There are some instances in which units never obtain NIPR communications and must reply on SIPR. Therefore, a SIPR token is required for each team member.

j. Secure M4 & M9 (optional) weapons, magazines (and blank fire adapters, as applicable) for all weather personnel (**M4s must be brought for Decisive Action Training Environment rotations**).

k. Secure gas masks and JLIST equipment (chemical gear) from your supported Army unit for all weather personnel (both simulated and actual tear gas are used during the NTC deployment scenario).

l. Bring required weather and tactical equipment IAW the RTU Modification Table of Organization and Equipment (MTOE) and deployable UTCs (see Attachment 3).

m. Upon arrival at Fort Irwin, contact the 12 CTS/DOC at DSN: 470-5419/5429/9527 or Commercial 760-380-5419/5429/9527 and provide them a copy of the RTU MOA and MTOE if not already sent via email.

n. Secure Multiple Integrated Engagement System (MILES) for all AWST personnel/vehicles from NTC Operations Group prior to the start of the deployment scenario.

o. Provide 24/7 weather support to enable Army commanders and their staffs to make informed decisions based on key weather factors IAW existing regulations. These services may include: route observations, staff weather briefings, mission weather products, weather impact assessments, routine Chemical Downwind Messages (CDMs), electro-optical tactical decision aids, space weather forecasts, etc.

p. Provide weather information including, but not limited to, flight weather briefings in support of helicopter and Unmanned Aerial Systems (UAS) operations, and tailored weather forecasts for time-sensitive targeting.

q. Establish and maintain communications with the 25 OWS and Fort Irwin/Bicycle Lake Army Airfield (BLAAF) forecaster via DCS or best available option once flight operations begin.

r. Take, record, and disseminate manual observations under the RTU's respective KQ identifier in order to provide eyes forward presence for the 25 OWS and BLAAF forecaster. Observations are required from each weather team in the training range during the deployment scenario.

s. In the event of an OWS/BLAAF outage, the rotational Brigade or Division AWST can assist BLAAF forecaster with issuing Watches, Warnings and Advisories (WWAs) for NTC.

t. Provide Situational Reports (SITREPs) daily to 12 CTS/DOC while deployed in the NTC Range (see Attachment 9).

u. Provide written feedback comments and/or After Action Review (AAR) comments (as applicable) to the 12 CTS/DOC NLT 14 days following the end of the rotation.

## 5. Responsibilities of the 25th Operational Weather Squadron (25 OWS)

a. Provide a 24-hour Military Operations Area Forecast (MOAF) three times a day during Training Days (TDs) 1-14 (amended as necessary). The MOAF is the controlling forecast and will include a synoptic discussion, forecast for clouds, visibility/present weather, surface/flight winds, hazards, and temperatures (see Attachment 5).

b. Issue Watches, Warnings and Advisories (WWAs) via the Joint Environmental Toolkit (JET) system for the NTC Area of Operations, Goldstone Airstrip, and Barstow-Daggett Airport as outlined in Attachment 6.

c. Conduct a meteorological conference (METCON) with the rotational units and the BLAAF forecaster prior to MOAF and WWA issuance via DCS and/or telephone/email.

## 6. Responsibilities of the BLAAF Forecasters

- a. Designated “Pseudo-Division SWO” unless a rotational Division weather team deploys with their supported Army unit, in which case the BLAAF forecaster will be designated the Joint METOC Officer (JMO) for NTC.
- b. Provide local area of DD 175-1 pilot briefs to NTC Flight Detachment (Eagle Team) and 2916<sup>th</sup> Aviation Battalion pilots and flight crews.
- c. Provide WWAs as necessary for Bicycle Lake Army Airfield (see Attachment 6).
- d. Issue 5-day weather planning outlook once a day (see Attachment 7).
- e. Issue NTC Mission Weather Product (MWP) three times daily using the Mission Execution Forecast Process (MEFP) (see Attachment 8).
- f. Provide staff weather support to NTC leadership in the form of: commanders’ updates, planning weather, and operational weather updates.
- g. Relay current and forecast weather data, to include WWAs, to Warrior Tactical Operations Center (TOC) via phone or Fort Irwin Range Communications System (RCS).
- h. Conduct METCON with the rotational units and the 25 OWS prior to MOAF and WWA issuance via DCS and/or telephone.
- i. Directly support NTC Operations Group (52<sup>nd</sup> ID), 11 Armored Cavalry Regiment (ACR)/OPFOR, and 916<sup>th</sup> Support Brigade as their Staff Weather Officer (SWO) to manage operations.

#### 7. Responsibilities of the NTC Observer-Coach/Trainers (OC/Ts)

- a. Provide RTUs with required NTC informational and planning material NLT 90 days prior to the start of the rotation.
- b. Provide guidance regarding NTC weather support and observe horizontal consistency and quality of MWPs produced by the RTU.
- c. Provide Exercise Operating Procedures (EXOP) and NTC orientation briefings during (RSOI) week.
- d. Ensure all safety concerns during the rotation are addressed and intervene as necessary.
- e. Observe weather teams under deployed conditions and offer recommended sustains and improvements to the RTU.
- f. Coach and mentor weather teams as required.
- g. Operate as a liaison between the AWS RTUs, 25 OWS, 12 CTS, NTC Army OC/Ts, and supported Army customers as required.

h. Provide informal and formal AARs. Two formal AARs will be conducted during the rotation on TD-7 and TD-14. A formal written AAR will be sent to the RTU AWS leadership, HQ ACC/A3W, and OL-G, ACC/A3W (FORSCOM) NLT 30 days following the end of the rotation (see Attachment 10).

8. Communication: It is imperative and the responsibility of the rotational weather teams to coordinate communication requirements with the Army prior to deployment. Teams should be aware that they will be operating in a contested, non-permissive (austere) environment, meaning communication outages and attacks from opposition forces may be frequent. At a minimum, weather teams require Non-secure Internet Protocol Routing Network (NIPRNET), Secure Internet Protocol Routing Network (SIPRNET), DSN phone, and working radio equipment that can reach up to 30 miles beyond line of sight. It is highly recommended that AWSTs try to acquire Iridium or Satellite communications in order to mitigate potential communication outages while at NTC.

9. Any further comments regarding NTC Rotations and the expectations and responsibilities outlined in this Letter can be addressed by the 12<sup>th</sup> CTS/DOC at DSN 470-5419 or via email at [usarmy.irwin.12-cts.mbx.irwin-weather@mail.mil](mailto:usarmy.irwin.12-cts.mbx.irwin-weather@mail.mil).

3/20/2019

**X JEREMY MCCARTHY**

JEREMY A. MCCARTHY, Capt, USAF

Weather Flight Commander

Signed by: MCCARTHY.JEREMY.ALAN.1286802555

#### 11 Attachments:

1. NTC Deployment Timeline
2. NTC Pre-deployment Survey
3. MTOE and NTC Roll Out Card Examples
4. NTC Equipment/Packing List
5. NTC MOAF Example
6. NTC Weather Watches, Warnings, and Advisories (WWAs)
7. NTC 5-Day Forecast Example
8. NTC MWP Example
9. NTC SITREP Example
10. NTC Final AAR Example
11. Recent Trending Items for Improvement

## Attachment 1

### NTC Deployment Timeline

*(Timeline based on 14-day training rotation, estimated dates for specific rotations and/or events may vary from rotation to rotation)*

#### **D-90**

- AWS Squadron/Detachment notifies AWST of NTC rotation dates
- AWST receives NTC LOI and planning documents

#### **D-75**

- AWST coordinates Weather Support MOA with supported Army unit(s)

#### **D-60**

- AWS Squadron/Detachment leadership notifies 12 CTS/DOC of RTU AWST personnel

#### **D-30**

- AWST completes and emails the NTC Pre-Deployment Survey to 12 CTS/DOC
- AWST secures a DCS account and AFW-WEBS username/password
- AWST requests KQ identifier from 557th WW

#### **D-14**

- AWST/AWS Squadron/Detachment completes and emails the NTC Roll Out Card to 12 CTS/DOC

#### **D-2**

- AWST deploys to NTC/Ft Irwin and arrives at Rotational Unit Bivouac Area (RUBA)

#### **D-0 (RSOI 1)**

- Begins four days of academics/pre-deployment training/preparation for AWST
- AWST acquires MILES gear for personnel/vehicles (as applicable)

#### **D+4 (RSOI 5)**

- AWST deploys from RUBA to NTC Range

#### **D+5 (TD 1)**

- Begin Decisive Action Force on Force Operations

#### **D+12 (TD 7)**

- Mid-rotation Formal AAR

**D+16 (TD 11)**

- **Transition to Live Fire/Separation of Forces**

**D+19 (TD 14)**

- **ENDRO/Final AAR with 12<sup>th</sup> CTS**

**D+20 (BRD 01)**

- **Begins Battlefield Recovery Day (BRD) week**
- **Final Army NTC AAR and Hero of the Rotation Award Ceremony**

**D+25-27**

- **AWST redeploys back to home station**

**D+33**

- **RTU Feedback/AAR completed and emailed to 12 CTS/DOC**

**D+49**

- **Final RTU AAR completed by 12 CTS/DOC and disseminated to RTU Leadership, AWS Squadron Leadership, HQ ACC/A3W, and OL-G ACC/A3W (FORSCOM)**



## Attachment 2

FOUO - UNCLASSIFIED  
PRE-DEPLOYMENT  
INFORMATION SURVEY  
NTC Rotation

UNIT:  
HOME STATION:  
OFFICE DSN:  
OPS CHIEF/ DSN:  
SQ CC/ EMAIL:  
DET CC/ EMAIL:

MISSION: SUPPORT (ARMY UNIT) DURING NTC IN (DIV/BCT/SFAB/AVN) OPERATIONS

WHEN WERE YOU NOTIFIED OF YOUR DEPLOYMENT TO NTC FOR THIS ROTATION?:

HOW MANY PRE-NTC MEETINGS DID YOU ATTEND?:

STATE YOUR CC's TRAINING OBJECTIVES FOR THIS NTC ROTATION:

- 1.
- 2.
- 3.

PERSONNEL RANK/NAMES & LAST DEPLOYMENT:

1. OIC:
2. NCOIC:
3. FORECASTER:
4. FORECASTER:

TOTAL ARMY EXPERIENCE:

1. NCOIC/OIC:
2. FORECASTER:
3. FORECASTER:

EQUIPMENT (Y/N) & HOW MANY:

TMQ-53:  
KESTREL:  
NIPR LAPTOP (USAF or Army):  
SIPR LAPTOP (USAF or Army):  
M4 & M9:  
SATPHONE:  
GPS (i.e., DAGR):  
LASER RANGEFINDER:  
PRINTER:  
GAS MASK:  
CHEM GEAR:

HAVE ALL PHYSICAL ISSUES/SPECIAL NEEDS OF EACH ROTATIONAL PLAYER BEEN REVIEWED BY YOUR COMMAND AND HAVE ANY/ALL PERSONNEL ISSUES BEEN REPORTED TO 12 CTS PERSONNEL AS ANNOTATED IN NTC LOI PARAGRAPH 4? CC/ISG INITIALS\_\_\_\_\_

**DO YOU HAVE A SAR WITH THE [25<sup>TH</sup> OWS](#)? (IF SO, PLEASE DESCRIBE THE SUPPORT THE 25<sup>TH</sup> WILL PROVIDE)**

**DO YOU HAVE A SIGNED MOA OR OPORD/FRAGO WITH THE SUPPORTED ARMY UNIT?**

**ARE YOU TRAVELING ON DTS OR ARMY GROUP ORDERS?**

**DO YOU HAVE A DCS ACCOUNT?**

**DO YOU HAVE A SIPR TOREN?**

**WHO IS YOUR S-2 POC?:**

**WHO IS YOUR S-3 POC?:**

**WHO IS YOUR S-6 POC?:**

**Send this form and a copy of your KQ ID(s), MTOE, MOA, and/or  
OPORD/FRAGO ANNEXES to the [12<sup>th</sup> CTS Weather Org Box](#)**

## Attachment 3

## MTOE and NTC ROLL OUT CARD Examples

## BCT MTOE

STAFF WEATHER OFFICE										
P	E	REQ	AUTH	PARENT	PARENT	R	R	M	S	
A	R	EQ	EQ	UNIT	UNIT	M	M	D	U	
R	C			REQ	AUTH	K	K	U	B	
N				EQ	EQ	1	2	I	C	
O	LIN	NOMENCLATURE						C	O	
	512	<a href="#">A35329</a>	P	WORKSTATION PORTABLE MULTIFUNCTION: ANITYQ-93(V)		1	1	1	1	
	512	<a href="#">A79381</a>	A	ANTENNA GROUP: OE-254(J)GRC		1	1	1	1	
	512	<a href="#">B49004</a>	A	BAYONET MULTIPURPOSE SYSTEM: XM9		4	4	4	4	
	512	<a href="#">B67766</a>	A	BINOCULAR: MODULAR CONSTRUCTION MIL SCALE RETICLE 7X50MM W/E		1	1	1	1	
	512	<a href="#">C05002</a>	A	COMPUTER SYS DIGITAL: ANIPYQ-10(C)		1	1	1	1	
	512	<a href="#">J00697</a>	A	JOINT CHMCL AGENT: DETECTOR		1	1	1	1	
	512	<a href="#">M12986</a>	A	MASK: CHEMCL BIOLOGICL JOINT SERVICE GENERAL PURPOSE: FIELD M50		4	4	4	4	
	512	<a href="#">N05482</a>	A	NIGHT VISION: GOGGLE		2	2	2	2	
	512	<a href="#">N96248</a>	A	NAVIGATION SET: SATELLITE SIGNALS ANIPSN-13		1	1	1	1	
	512	<a href="#">R20684</a>	A	RADIAC SET: ANIVDR-2		1	1	1	1	
	512	<a href="#">R31061</a>	A	RADIAC SET: ANIVDR-13		1	1	1	1	
	512	<a href="#">R68044</a>	A	RADIO SET: ANIVRC-90F(C)		1	1	1	1	
	512	<a href="#">R97234</a>	A	RIFLE 5 56 MILLIMETER: M4		4	4	4	4	
	512	<a href="#">S60288</a>	A	SIGHT: REFLEX COLLIMATOR		4	4	4	4	
	512	<a href="#">T61494</a>	A	TRUCK UTILITY: CARGO/TROOP CARRIER 1-1/4 TON 4X4 W/E (HMMWV)		1	1	1	1	
	512	<a href="#">T95992</a>	A	LIGHT TACTICAL TRAILER: 3/4 TON		1	1	1	1	

## AVN MTOE (Derived from CAB MTOE)

TAC/INTEL/ISR/SWO EL										
P	E	REQ	AUTH	PARENT	PARENT	R	R	M	S	
A	R	EQ	EQ	UNIT	UNIT	M	M	D	U	
R	C			REQ	AUTH	K	K	U	B	
N				EQ	EQ	1	2	I	C	
O	LIN	NOMENCLATURE						C	O	
	339	<a href="#">A35329</a>	A	WORKSTATION PORTABLE MULTIFUNCTION: ANITYQ-93(V)		1	1	1	1	
	339	<a href="#">A79381</a>	A	ANTENNA GROUP: OE-254(J)GRC		1	1	1	1	
	339	<a href="#">B49004</a>	A	BAYONET MULTIPURPOSE SYSTEM: XM9		3	3	3	3	
	339	<a href="#">B67766</a>	A	BINOCULAR: MODULAR CONSTRUCTION MIL SCALE RETICLE 7X50MM W/E		2	2	2	2	
	339	<a href="#">C05002</a>	A	COMPUTER SYS DIGITAL: ANIPYQ-10(C)		1	1	1	1	
	339	<a href="#">J00697</a>	A	JOINT CHMCL AGENT: DETECTOR		1	1	1	1	
	339	<a href="#">M12986</a>	A	MASK: CHEMCL BIOLOGICL JOINT SERVICE GENERAL PURPOSE: FIELD M50		3	3	3	3	
	339	<a href="#">N05482</a>	A	NIGHT VISION: GOGGLE		2	2	2	2	
	339	<a href="#">N96248</a>	A	NAVIGATION SET: SATELLITE SIGNALS ANIPSN-13		1	1	1	1	
	339	<a href="#">R20684</a>	A	RADIAC SET: ANIVDR-2		1	1	1	1	
	339	<a href="#">R31061</a>	A	RADIAC SET: ANIVDR-13		1	1	1	1	
	339	<a href="#">R68044</a>	A	RADIO SET: ANIVRC-90F(C)		1	1	1	1	
	339	<a href="#">R97234</a>	A	RIFLE 5 56 MILLIMETER: M4		3	3	3	3	
	339	<a href="#">S60288</a>	A	SIGHT: REFLEX COLLIMATOR		3	3	3	3	
	339	<a href="#">T61494</a>	A	TRUCK UTILITY: CARGO/TROOP CARRIER 1-1/4 TON 4X4 W/E (HMMWV)		1	1	1	1	599
	339	<a href="#">T95992</a>	A	LIGHT TACTICAL TRAILER: 3/4 TON		1	1	1	1	

## NTC ROLL OUT CARD

ARMY SUPPORT WEATHER BATTLE												
ROTATION:		17-06		2. EQUIPMENT:						4. CDR's UNIT ASSESSMENT		
UNIT:		3WS Det 3 Ft Bliss, 3WS Det 2 Ft Riley		MISSION COMMAND (REQ/OH)						UNIT METL		
MOTTO:		I. PERSONNEL		AFT 3.1.1.1.4 Perform Weather Service						AFT 3.1.1.1.5 Perform Navigation and Positioning Functions		
Authorized:		AT NTC: 6		AFT 3.1.4 Plan Information Operations Functions						AFT 5.4.1 Perform AEF Functions		
Assigned:		Not in Box:		AFT 5.4.4 Plan AEF Functions						AFT 6.3.1.4 Prepare for Reachback Support		
Assign/Auth:		### Deployed: 100%		AFT 6.5.1 Employ the Force						AFT 6.5.1 Sustain the Force		
KEY PERSONNEL		AFT 6.7.1 Recover the Force						STRENGTHS		WEAKNESSES		
POSITION	RNK	Name (Last & First)	TC(S)/CBT(S)/IP(Mo)	AVN/BCT: Both have members that have been here before						AVN: Has multiple individuals with previous deployment		
				AVN/BCT: All members have a fair amount of Army Support						BCT: Relatively no combat deployment.		
				BCT: Will be geographically separated to main TOC.						AVN: Little CTC experience.		
				5. MTC TRAINING OBJECTIVES						6. ROTATIONAL ISSUES		
				CDR'S DESIRED C/T FOCUS						7. TEAM 07 INITIAL ASSESSMENT		
				8. RISK ISSUES/CONCERNS								
MOS SHORTAGES				ISOPREP				None				
PERSONNEL NOTES:				NOTES:								
3. TRAINING:				SUSTAINMENT (REQ/OH)								
EVENT	AUTH	OH	QUALITY	DATE	PROTECTION (REQ/OH)							
					Body Armor							
					Eye Protection							
					Ear Protection							
					JLUST (Chem)							
					Gas Mask							
					Joint Chemical Agent Detector							
					Radiation Detection Set							
					IFAK							
CP STATUS (G/A/R)				NOTES:								
Overall CP Status				SOP STATUS				DATE				
ABCS Operational				DATE				NOTES				
Communications Higher				iridium number								
CCIR Posted												
CRMV Posted												
Tracking Charts												

## Attachment 4

### NTC Equipment/Packing List

*(This is not inclusive for every type of NTC rotation—check with leadership and supported Army units for additional guidance)*

- Copies of current Joint, Air Force, and local guidance on METOC operations (ex. AFMAN 15-111, SOPs, etc.) (Note: if using electronic copies, they should be downloaded and saved to your computer(s) or CD)
- References of Unit Tactical Standard Operating Procedures (TSOPs)
- NIPRNET Laptop(s)
- SIPRNET Laptop(s) (DCGS-A)
- Radio(s) (HF/UHF/VHF)
- Satellite Phone(s)
- TMQ-53(s)
- Kestrel(s) (larger amount needed for use by eyes forward)
- SWO Kit(s) (to include USB Mice, clipboard(s), CDs, paper/printer, power strip(s), CAC reader(s), extension cords, etc.)
- Log book(s)
- Gas Masks and CHEM gear
- Kevlar Helmets
- Body Armor and Plates
- Weapons: M4s/M9s and associated equipment (with muzzle adapters if not provided by the Army)
- Reflective Belt(s)
- Eye Protection
- Ear Protection
- Camelback(s) and/or water container(s) (Gas Mask adaptors or canteens for chemical attacks)
- IFAK(s)
- Flashlight with red cover for night operations
- Sleeping bag, cot or mat, and pillow
- Toiletries (Hand sanitizer, baby wipes, toilet paper, sunscreen, etc.)
- ABUs or OCP Uniform Items
- PT Uniform Items
- Shower shoes
- Cold Weather Gear (if necessary)
- Poncho(s)
- Tent(s)
- HMMVW(s)/Trailer(s)

**Attachment 5****NTC MOAF Example**

FOUS05 KAOS 222200

NATIONAL TRAINING CENTER MILITARY OPERATING AREA FORECAST

VALID: 22/2200Z TO 23/2200Z

RANGE SURFACE ELEVATION: 2500 FT MSL

ALL HEIGHTS HUNDREDS OF FEET MSL (UNLESS OTHERWISE NOTED)

TS/CB IMPLY MODERATE OR GREATER TURBULENCE/ICING

CEILING EQUAL TO BASE OF LOWEST BKN OR OVC CLOUD LAYER

SYNOPTIC DISCUSSION: WITH A STRONG BAND OF WINDS ASSOCIATED WITH THE PFJ MOVING OVER THE LOCATION FROM THE NORTH AND AN INVERSION BREAK WILL CAUSE HIGHER SPEEDS AND GUSTY WINDS AT THE SFC AROUND 12Z. THE HIGH STILL SITUATED OVER THE AREA KEEPING THE LOWER LEVELS DRY BUT ALLOWING FOR SOME UPPER LEVEL CLOUDS TO MOVE INTO THE AREA.

CLOUDS: BKN280/300

AFT 02Z: SCT280/300

SFC VIS/WX: 7SM/NONE

SFC WNDS: 28011KT

AFT 02Z: 26008KT

AFT 12Z: 35015G25KT

AFT 21Z: 32012G18KT

FLIGHT LEVEL HAZARDS:

MIN FZ LVL: 096

TSTMS: NONE

TURB: NONE

ICING: NONE

KBYS

MIN ALSTG: 30.09INS

MAX PA: +2197

MAX/MIN TEMP: 17C/04C

MAX RH/TIME: 36%/15Z

HEAT INDEX: N/A

WIND CHILL: 02C

KDAG  
MIN ALSTG: 30.09INS  
MAX PA: SEE NOTE  
MAX/MIN TEMP: 17C/04C  
MAX RH/TIME: 36%/15Z  
HEAT INDEX: N/A  
WIND CHILL: 02C

CALL DUTY FORECASTER WITH LOCATION AND ELEVATION  
FOR MAX PA ON NTC RANGE

WINDS/TEMPS ALOFT:

002: 27010KT/16C  
005: 26014KT/09C  
007: 26016KT/10C  
010: 25019KT/09C  
015: 25019KT/08C  
020: 24020KT/06C  
030: 24022KT/03C  
050: 24024KT/02C  
070: 24029KT/01C  
100: 25037KT/M04C  
140: 31056KT/M11C  
180: 25058KT/M22C  
240: 25076KT/M35C  
300: 25083KT/M48C

REMARKS: NONE  
POC: 25OWS/WXAS DSN 228-7650  
FORECASTER: SNUFFY  
QA: BOSS

## Attachment 6

## NTC Weather Watches, Warnings, and Advisories (WWAs)

WWA and SWAP Criteria			
Weather Advisories			
Criteria	Forecast/Observed	Desired Lead Time	Issued By
Strong Winds*	Forecasted Winds $\geq$ 30KT but $<$ 45KT	60 Minutes	25 OWS
Strong Winds*	Forecasted Winds $\geq$ 30KT but $<$ 45KT	60 Minutes	25 OWS
Icing*	Observed Icing $\geq$ Moderate below 10,000FT MSL	Observed	WF
Icing*	Observed Icing $\geq$ Moderate below 10,000FT MSL	Observed	WF
Turbulence*	Observed CAT I Turbulence $\geq$ Moderate below 10,000FT MSL	Observed	WF
Turbulence*	Observed CAT I Turbulence $\geq$ Moderate below 10,000FT MSL	Observed	WF
Test	TEST is occurring of the IWWC dissemination system. This is only a test.	5 Minutes	25 OWS
Weather Watches			
Watch Type	Criteria	Desired Lead Time	Issued By
Tornado	Potential for Tornado or Funnel Cloud exists (SWAP)	60 Minutes	25 OWS
Tornado	Potential for Tornado or Funnel cloud exists within 5NM (SWAP)	60 Minutes	25 OWS
Damaging Winds	Potential for Damaging Winds $\geq$ 45KT (SWAP)	180 Minutes	25 OWS
Damaging Winds	Potential for Damaging Winds $\geq$ 45KT (SWAP)	180 Minutes	25 OWS
Moderate Thunderstorm	Moderate Thunderstorm (Hail $\geq$ 1/4IN but $<$ 1/2IN and/or Damaging Winds $\geq$ 30KT but $<$ 45KT and/or Flash Flooding)	180 Minutes	25 OWS
Moderate Thunderstorm	Moderate Thunderstorm (Hail $\geq$ 1/4IN but $<$ 1/2IN and/or Damaging Winds $\geq$ 30KT but $<$ 45KT and/or Flash Flooding)	180 Minutes	25 OWS
Severe Thunderstorm	Severe Thunderstorm (Hail $\geq$ 1/2IN and/or Damaging Winds $\geq$ 45KT and/or Flash Flooding) (SWAP)	180 Minutes	25 OWS
Severe Thunderstorm	Severe Thunderstorm (Hail $\geq$ 1/2IN and/or Damaging Winds $\geq$ 45KT and/or Flash Flooding) (SWAP)	180 Minutes	25 OWS
Lightning	Potential for Thunderstorms and Lightning exists within Training Range	30 Minutes	25 OWS
Lightning	Potential for Lightning exists within 5NM	30 Minutes	25 OWS
Lightning	Potential for Lightning exists within 5NM	30 Minutes	WF

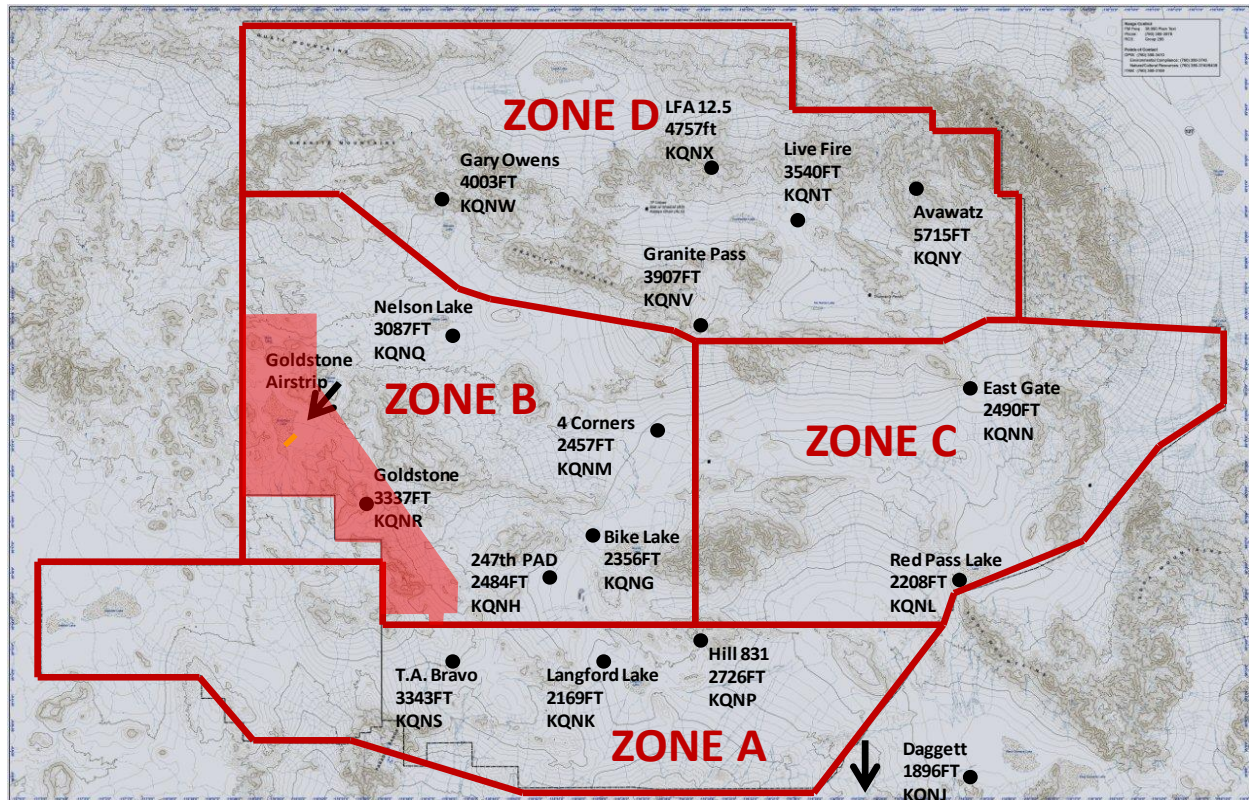


Duststorm	Potential for Duststorm exists	180 Minutes	25 OWS
Duststorm	Potential for Duststorm exists	180 Minutes	25 OWS
Freezing Precipitation	Potential for Freezing Precipitation exists (SWAP)	120 Minutes	25 OWS
Freezing Precipitation	Potential for Freezing Precipitation exists (SWAP)	120 Minutes	25 OWS
Heavy Snow	Potential for Heavy Snow $\geq$ 2IN in 12 hours exists	180 Minutes	25 OWS
Heavy Snow	Potential for Heavy Snow $\geq$ 2IN in 12 hours exists	180 Minutes	25 OWS
Heavy Rain*	Potential for Heavy Rain $\geq$ 0.5IN within 6 hours exists	180 Minutes	25 OWS
Heavy Rain*	Potential for Heavy Rain $\geq$ 0.5IN within 6 hours exists	180 Minutes	25 OWS
Test	TEST is occurring of the IWWC dissemination system. This is only a test.	5 Minutes	25 OWS

### Weather Warnings

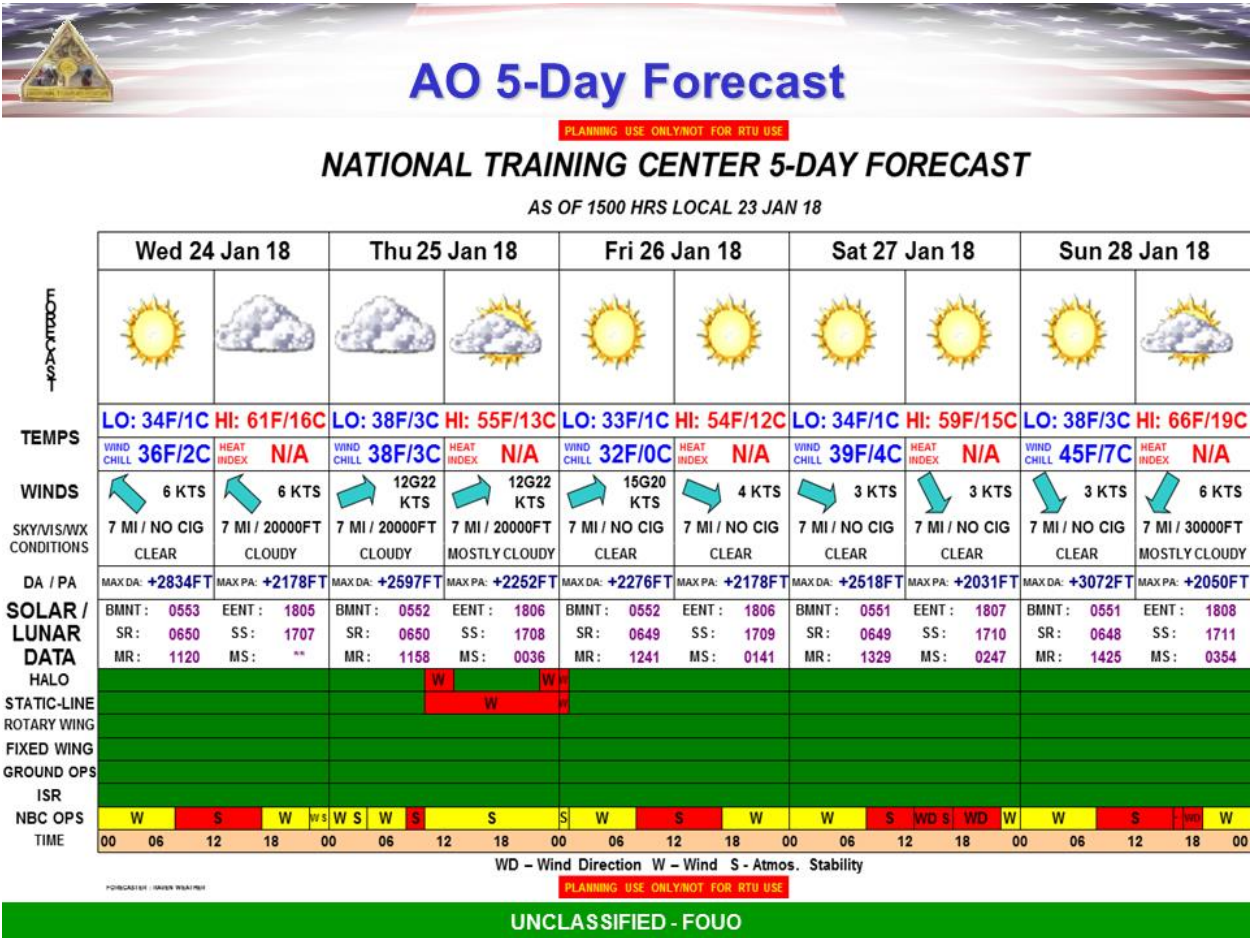
Warning Type	Criteria	Desired Lead Time	Issued By
Tornado	Tornado expected (SWAP)	30 Minutes	25 OWS
Tornado	Tornado expected (SWAP)	30 Minutes	25 OWS
Damaging Winds	Forecasted High Winds $\geq$ 45KT (SWAP)	90 Minutes	25 OWS
Damaging Winds	Forecasted High Winds $\geq$ 45KT (SWAP)	90 Minutes	25 OWS
Moderate Thunderstorm	Moderate Thunderstorm (Hail $\geq$ 1/4IN but $<$ 1/2IN and/or Damaging Winds $\geq$ 30KT but $<$ 45KT and/or Flash Flooding)	90 Minutes	25 OWS
Moderate Thunderstorm	Moderate Thunderstorm (Hail $\geq$ 1/4IN but $<$ 1/2IN and/or Damaging Winds $\geq$ 30KT but $<$ 45KT and/or Flash Flooding)	90 Minutes	25 OWS
Severe Thunderstorm	Severe Thunderstorm (Hail $\geq$ 1/2IN and/or Damaging Winds $\geq$ 45KT and/or Flash Flooding) (SWAP)	90 Minutes	25 OWS
Severe Thunderstorm	Severe Thunderstorm (Hail $\geq$ 1/2IN and/or Damaging Winds $\geq$ 45KT and/or Flash Flooding) (SWAP)	90 Minutes	25 OWS
Lightning	Observed Thunderstorm with Lightning within Training Range	Observed	25 OWS
Lightning	Observed Lightning within 5NM (SWAP)	Observed	WF
Lightning	Observed Lightning within 5NM	Observed	25 OWS
Duststorm	Duststorm Expected	90 Minutes	25 OWS
Duststorm	Duststorm Expected	90 Minutes	25 OWS
Freezing Precipitation	Freezing Precipitation Expected (SWAP)	60 Minutes	25 OWS
Freezing Precipitation	Freezing Precipitation Expected (SWAP)	60 Minutes	25 OWS
Heavy Snow	Heavy Snow $\geq$ 2IN within 12 hours	90 Minutes	25 OWS
Heavy Snow	Heavy Snow $\geq$ 2IN within 12 hours	90 Minutes	25 OWS
Heavy Rain*	Heavy Rain $\geq$ 0.5IN within 6 hours	90 Minutes	25 OWS

Heavy Rain*	Heavy Rain $\geq$ 0.5IN within 6 hours	90 Minutes	25 OWS
TEST	TEST is occurring of the IWWC dissemination system. This is only a test.	5 Minutes	25 OWS



Attachment 7


NTC 5-Day Forecast Example





## Attachment 8

## NTC MWP Example

NATIONAL TRAINING CENTER ROTARY WING MISSION WEATHER PRODUCT															NATIONAL TRAINING CENTER SOLAR/LUNAR DATA														
 12TH COMBAT TRAINING SQUADRON RAVEN TEAM WEATHER DSN: 470-9527 / COMM: 760-389-9527 REC#: 21/105 PMSV PRIMARY: 69.95 ALTIN: 66.90 DATE: 25-Jan-18 JULIAN DAY: 025															25-Jan-18 BMNT: 0553L MOONRISE: 1158L ILLUM %: 66% SUNRISE: 0650L MOONSET: 0036L SUNSET: 1708L 0001 ILLUM: 55% EENT: 1805L 2359L ILLUM: 66%														
BRIEF TIME: VOID TIME: WX INITIALS:															LUNAR PERIOD > 25%: 25/MR - 25/1434L - 25/2302L - 26/MS < 25%: - - - - - MAX ELV: 67 AZ: 180 TIME: 25/1846L														
BICYCLE LAKE AAF TAKEOFF/LANDING WEATHER VALID TIME: 16 - 20 08 - 12 ZULU LOCAL: 23010 7 WIND VIS PRESENT WX SKY CONDITION (AGL) °F °C ALSTG PA DA 16 - 20 08 - 12 23010 7 BKN050 BKN250 46 08 29.96 +2313 +2079 REMARKS: AFT 172 26015G25KT 7SM BKN050 BKN250 / AFT 172 26020G30KT DPT: 14 -10 RHP6: 27 20 - 24 12 - 16 25015G25 7 BKN250 57 14 30.00 +2276 +2767 REMARKS: TEMPO 26020G30KT // AFT 222 26020G30KT 7SM BKN250 DPT: 27 -03 RHP6: 31 24 - 04 16 - 20 27020G30 7 SCT250 54 12 29.98 +2295 +2547 REMARKS: DPT: 23 -05 RHP6: 30 04 - 08 20 - 00 26010G20 7 SCT250 43 06 30.03 +2249 +1778 REMARKS: DPT: 25 -04 RHP6: 49 08 - 12 00 - 04 27010G20 7 BKN250 37 03 30.08 +2202 +1360 REMARKS: DPT: 27 -03 RHP6: 65 12 - 16 04 - 08 28005 7 BKN250 30 -01 30.13 +2156 +807 REMARKS: DPT: 27 -03 RHP6: 86 MAX TEMP: 57 °F 14 °C MAX PA: +2313 FREEZING LVL (MSL): 060 MIN TEMP: 28 °F -2 °C MIN ALSTG: 29.96 +04 °C LVL (MSL): 040															26-Jan-18 BMNT: 0552L MOONRISE: 1240L ILLUM %: 66% SUNRISE: 0650L MOONSET: 0141L SUNSET: 1709L 0001 ILLUM: 66% EENT: 1806L 2359L ILLUM: 76% MAX ELV: 71 AZ: 180 TIME: 26/1941L SPACE WEATHER HF COMM: No Impact UHF COMM: No Impact GPS ERROR: No Impact														
LOCAL AREA WATCHES, WARNINGS, AND ADVISORIES NTC WATCHES, WARNINGS, AND ADVISORIES VALID ZONE(S) TYPE CRITERIA VALID TIME A: X B: X C: X D: X GAS: Advisory Forecast Winds ≥30Kts but <45KT 25/1700Z-26/0400Z A: B: C: D: GAS: A: B: C: D: GAS: A: B: C: D: GAS: A: B: C: D: GAS: BLAA: GAS:															BARSTOW-DAGGETT WATCHES, WARNINGS, AND ADVISORIES TYPE CRITERIA VALID TIME Advisory Forecast Winds ≥30Kts but <45KT 25/1700Z-26/0400Z														
NATIONAL TRAINING CENTER CLIMB WINDS HEIGHT WIND TEMP RH HEIGHT WIND TEMP RH HEIGHT WIND TEMP RH 005 AGL 2601KT 08C 53% FL 040 27025KT 03C 75% FL 080 25049KT -02C 29% 010 AGL 2601KT 07C 56% FL 050 27025KT 03C 75% FL 100 25048KT -04C 3% 015 AGL 2602KT 05C 69% FL 060 27028KT 00C 80% FL 120 26058KT -05C 3%															NATIONAL TRAINING CENTER MISSION OPERATING AREA WEATHER NTC NORTH OF PL DRAGON (ALL HEIGHTS ARE IN MSL) VALID TIME: 16 - 22 08 - 14 ZULU LOCAL: 23010 7 SKY CON: BKN070/100 BKN0270/300 // AFT 202: BKN0270/300 PRESENT WX: ICIN G: TSIMS: CAT 1 TURB: OCNL LGT SFC-150 // AFT 172: MDT CAT 2 TURB: AFT 172: OCNL MDT SFC-150 SKY CON: BKN270/300 // AFT 002: SCT270/300 PRESENT WX: ICIN G: TSIMS: CAT 1 TURB: MDT SFC-150 // AFT 222: OCNL SVR CAT 2 TURB: OCNL MDT SFC-150 // AFT 222: MDT SKY CON: SCT270/300 // AFT 082: BKN270/300 PRESENT WX: ICIN G: TSIMS: CAT 1 TURB: LGT SFC-150 CAT 2 TURB: OCNL LGT SFC-150 SKY CON: BKN270/300 PRESENT WX: ICIN G: TSIMS: CAT 1 TURB: LGT SFC-150 TIL 12Z CAT 2 TURB: OCNL LGT SFC-150 TIL 12Z														
BARSTOW-DAGGETT AIRPORT TAKEOFF/LANDING WEATHER VALID TIME: 16 - 20 08 - 12 ZULU LOCAL: 23010 7 WIND VIS PRESENT WX SKY CONDITION (AGL) °F °C ALSTG PA DA 16 - 20 08 - 12 23010 7 BKN250 41 05 29.96 +1893 +1189 REMARKS: AFT 172 26015G25KT 7SM BKN050 // AFT 172: TEMPO 26020G30KT DPT: 10 -12 RHP6: 28 20 - 24 12 - 16 25020G30 7 BKN250 55 11 30.01 +1847 +2108 REMARKS: DPT: 21 -06 RHP6: 26 24 - 04 16 - 20 26020G30 7 BKN250 52 11 30.00 +1856 +1891 REMARKS: DPT: 25 -04 RHP6: 35 04 - 08 20 - 00 26015G25 7 BKN250 43 06 30.05 +1810 +1233 REMARKS: DPT: 25 -04 RHP6: 49 08 - 12 00 - 04 27010G20 7 SCT250 37 03 30.11 +1755 +802 REMARKS: DPT: 27 -03 RHP6: 65 12 - 16 04 - 08 27010G15 7 BKN250 28 -02 30.16 +1709 +114 REMARKS: AFT 142: 28010KT 7SM BKN250 DPT: 23 -05 RHP6: 80 MAX TEMP: 55 °F 13 °C MAX PA: +1893 FREEZING LVL (MSL): 060 MIN TEMP: 28 °F -2 °C MIN ALSTG: 29.96 +04 °C LVL (MSL): 040															NTC SOUTH OF PL DRAGON (ALL HEIGHTS ARE IN MSL) VALID TIME: 16 - 22 08 - 14 ZULU LOCAL: 23010 7 SKY CON: BKN070/100 BKN0270/300 // AFT 202: BKN0270/300 PRESENT WX: ICIN G: TSIMS: CAT 1 TURB: AFT 172: OCNL MDT SFC-150 CAT 2 TURB: AFT 172: LGT SFC-150 SKY CON: BKN270/300 // AFT 002: SCT270/300 PRESENT WX: ICIN G: TSIMS: CAT 1 TURB: OCNL MDT SFC-150 // AFT 222: MDT CAT 2 TURB: LGT SFC-150 // AFT 222: OCNL MDT SKY CON: SCT270/300 // AFT 082: BKN270/300 PRESENT WX: ICIN G: TSIMS: CAT 1 TURB: OCNL LGT SFC-150 CAT 2 TURB: OCNL LGT SFC-150 SKY CON: BKN270/300 PRESENT WX: ICIN G: TSIMS: CAT 1 TURB: OCNL LGT SFC-150 TIL 12Z CAT 2 TURB: OCNL LGT SFC-150 TIL 12Z														
LOCAL FLIGHT AREA FORECASTS ICAO WIND VIS PRESENT WX SKY CONDITION (AGL) TOPS (AGL) °F °C KVCV 25005 7 SCT250 280 55 13 AFT 182: 26020G30KT 7SM FEW250 // AFT 062: 26015KT 7SM SKC KL35 30005 7 FEW250 280 46 08 AFT 212: 28015G25KT 7SM SCT250 // AFT 052: 32010KT 7SM SCT250 KPRD 25015 7 BKN200 230 54 12 AFT 172: 26020G30KT 7SM SCT050 BKN150 // AFT 032: 26015G25KT 7SM SCT150 // AFT 092: 28015KT 7SM SKC															THUNDERSTORM HAZARD NOTICES WHEN THUNDERSTORMS ARE FORECAST TO OCCUR, THESE CONDITIONS ARE POSSIBLE IN VICINITY OF CONVECTIVE ACTIVITY: LOW-LEVEL WIND SHEAR, SEVERE TO EXTREME TURBULENCE, SEVERE ICING, HEAVY PRECIP, LOCALIZED FLASH FLOODING, AND STRONG WINDS GREATER THAN 45 KNOTS. ALL MWP HAZARD FORECASTS ARE FOR CONDITIONS OUTSIDE OF THUNDERSTORM ACTIVITY.														
RSCV WEEK, OPEN 0600L THROUGH 2200L, 24 HOUR OPS STARTING AT 0600L ON FINAL ROTATIONAL TRAINING DAY. WEATHER STATION CLOSURE STARTS AT 2200L ON FINAL ROTATIONAL TRAINING DAY. ALL BRD AND WHITE WEEKS: MONDAY THROUGH FRIDAY 0600L TO 2200L. DURING CLOSURE, CALL 250WS FOR ALL WEATHER BRIEFINGS DSN: 228-6598/6599 COMM: 520-228-6598/6599															NOTES ***NOT FOR USE BY ANY ROTATIONAL TRAINING UNIT/ALL RTU BRIEFS USING THIS PRODUCT ARE NOT VALID***														
RAVEN WEATHER FEEDBACK INFORMATION WAS WEATHER AS BRIEFED? YES NO WEBSITE: <a href="http://www.jrvin.arny.mil/CommandGroupUnits/Units/OPSGRP/USAFwd/Pages/default.aspx">http://www.jrvin.arny.mil/CommandGroupUnits/Units/OPSGRP/USAFwd/Pages/default.aspx</a> PLEASE RETURN FEEDBACK TO FORT IRWIN WEATHER OPERATIONS EMAIL: <a href="mailto:usarmy.jrvin.12-ops.mbx.jrvin-weather@mail.mil">usarmy.jrvin.12-ops.mbx.jrvin-weather@mail.mil</a>																													

**Attachment 9****NTC SITREP Example**

DAILY SITREP UNIT DDMMYYYY

PERSONNEL

NCIOC

FCSTR

FCSTR

WEAPONS

SERIAL #'S

SERIAL #'S

SERIAL #'S

SIGACTS PAST 24

WHO

WHAT

WHERE

WHEN

WHY (ACCOUNTABILITY TIME)

SIGACTS NEXT 24

WHO

WHAT

WHERE

WHEN

WHY

SIGWX PAST 24

PLAIN LANGUAGE WITH IMPACTS

SIXWX NEXT 24

PLAIN LANGUAGE WITH IMPACTS

DELOPS PAST 24

BASIC DETAILS (LOCATION, AIRCRAFT, OUTCOME)

DELOPS NEXT 48

BASIC DETAILS (LOCATION, AIRCRAFT, PURPOSE)

IMPROVES PAST 24

LIST 2 BULLET FORM

SUSTAINS PAST 24

LIST 2 BULLET FORM

OUTSTANDING PERFORMER PAST 24  
PLAIN LANGUAGE

**Attachment 10**

**NTC Final AAR Example**

MEMORANDUM FOR SEE DISTRIBUTION

FROM: 12TH COMBAT TRAINING SQUADRON / CC  
Bldg. 661, 7th and Barstow Rd  
Fort Irwin, CA 92310

SUBJECT: National Training Center (NTC) Rotation 18-02 Weather Observer-Coach/Trainer  
(OC/T) After Actions Report (AAR)

**1. Overview**

- a. **Executive Summary:** *Describe exercise overview.*
- b. **Deployed Personnel:** *List units and positions of ASWT members.*

TSgt Joe Snuffy (AVN NCOIC)	Det X, Xst WS, Ft. Somewhere
SrA John Doe (AVN)	Det X, Xst WS, Ft. Somewhere
TSgt Steve Somebody (BCT NCOIC)	Xd WS, Ft. Overthere
SSgt Nancy Lastname (BCT)	Xd WS, Ft. Overthere

- c. **Deployed Equipment (Authorized/On-Hand for MTOE Items):** *List rotational training unit (RTU) weather/comm./tactical equipment below.*

**2. Significant Exercise Highlights.** *List significant weather and exercise events that occurred during the NTC rotation.*

**3. Weather Teams' Lessons Learned.** *Note any lessons learned, particularly with respect to the weather scenario operation that occurred during the NTC rotation.*

- a. **Lesson Learned:**
  - (1) **Discussion:**
  - (2) **Recommendation:**
- b. **Lesson Learned:**
  - (1) **Discussion:**
  - (2) **Recommendation:**

**4. Sustains:** *List any outstanding actions/TTPs observed by RTUs during the NTC rotation.*

- a. **Sustain #1**
  - b. **Sustain #2**
- 5. Conclusion.** *Summarize previous content of AAR and add final notes concerning ASWTs actions during the NTC rotation.*
- 6. Hero of the Rotation.** *List member(s) recognized by 12 CTS/CC and NTC Operations Group.*
- 7. Contact Information.** *Provide 12 CTS/DOC contact information.*

//signed//  
XXXX X. XXXX, Lt Col, USAF  
Commander

3 Attachments:

- 1. NTC XX-XX Site Map
- 2. BCT MTOE
- 3. AVN MTOE

DISTRIBUTION:

RTU  
OL-G, HQ ACC/A3W (FORSCOM)  
ACC/A3W

## Attachment 11

### Recent Trending Items for Improvement

*(This list reflects recent problem areas for which units should work a solution prior to arriving at NTC. This list is not inclusive for all items, and members should reference previous AARs for their respective units.)*

- Members not bringing tactical vehicles (or not coordinating a solid plan for jumps/convoy movements if tactical vehicles are unavailable)
- Members not being licensed to drive tactical vehicles (to include nighttime operations)
- Members not bringing/coordinating NVGs
- Members not bringing body armor plates
- Members not bringing gas masks and J-LIST
- Members not having admin usernames and passwords for TMOS laptops
- Members not having signed MOAs from appropriate Army personnel (for instance, MOAs regarding communications requirements are signed by the S2, instead of the S6)\*  
\*When possible, members should get MOAs signed by Army unit commanders.
- SWOs not properly responding to aircraft mishaps (notification to OC/Ts, coordinating data save with the OWS, etc.)\*\*  
\*\*It also recommended to coordinate in advance with the S6 for times during which communications are shut down for real-world aircraft mishaps so that operations may continue. For instance, do SWOs need to sign nondisclosure agreements in advance to ensure that they still have NIPR access during real-world mishaps/emergencies?